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### Amendments to the Claims

What is claimed is:

1. (Currently Amended) A method of producing aluminum comprising:  
passing current between a stable anode ~~comprising iron oxide~~  
and a cathode through a bath comprising an electrolyte and aluminum oxide, where the  
anode is a material selected from the group consisting of  $\text{Fe}_3\text{O}_4$ ,  $\text{Fe}_2\text{O}_3$ ,  $\text{FeO}$  and mixtures  
thereof, where at least one of  $\text{Fe}_3\text{O}_4$  and  $\text{Fe}_2\text{O}_3$  is present, and where the anode may  
optionally contain additive;  
maintaining the bath at a controlled temperature less than about  $960^\circ\text{C}$ ;  
controlling current density through the anode; and  
recovering aluminum from the bath.
2. (Canceled)
3. (Original) The method of Claim 1, wherein the controlled  
temperature of the bath is from about  $800$  to about  $930^\circ\text{C}$ .
4. (Original) The method of Claim 1, wherein the current density is  
from about  $0.1$  to about  $6 \text{ Amp/cm}^2$ .
5. (Original) The method of Claim 1, wherein the current density is  
from about  $0.25$  to about  $2.5 \text{ Amp/cm}^2$ .
6. (Canceled)
7. (Currently Amended) The method of Claim 1, wherein the iron  
oxide ~~comprises~~ is at least 90 weight percent of the anode.

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8. (Currently Amended) The method of Claim 1, wherein the iron oxide ~~comprises~~ is from zero to 100 weight percent  $\text{Fe}_3\text{O}_4$ , from zero to 100 weight percent  $\text{Fe}_2\text{O}_3$ , and from zero to 50 weight percent  $\text{FeO}$ .

9. (Currently Amended) The method of Claim 1, wherein the iron oxide ~~comprises~~ is  $\text{Fe}_3\text{O}_4$ .

10. (Currently Amended) The method of Claim 1, wherein the iron oxide ~~comprises~~ is  $\text{Fe}_2\text{O}_3$ .

11. (Canceled)

12. (Canceled).

13. (Currently Amended) The method of Claim 12, wherein the additive ~~comprises~~ is an oxide of Al, Si, Ca, Mn, Mg, B, P, Ba, Sr, Cu, Zn, Co, Cr, Ga, Ge, Hf, In, Ir, Mo, Nb, Os, Re, Rh, Ru, Sc, Sn, Ti, V, W, Zr, Li, Ce, Y and/or F.

14. (Currently Amended) The method of Claim ~~12~~ 1, wherein the additive ~~comprises~~ is an oxide of Al, Si, Ca, Mn and/or Mg.

15. (Original) The method of Claim 1, wherein the recovered aluminum comprises less than about 0.5 weight percent Fe.

16. (Original) The method of Claim 1, wherein the recovered aluminum comprises less than about 0.4 weight percent Fe.

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17. (Original) The method of Claim 1, wherein the recovered aluminum comprises less than about 0.3 weight percent Fe.

18. (Original) The method of Claim 1, wherein the recovered aluminum comprises a maximum of about 0.2 weight percent Fe, a maximum of about 0.034 weight percent Cu, and a maximum of about 0.034 weight percent Ni.

19. (Currently Amended) A stable anode ~~comprising iron oxide~~ for use in an electrolytic metal production cell, where the anode is a material selected from the group consisting of  $\text{Fe}_3\text{O}_4$ ,  $\text{Fe}_2\text{O}_3$ , FeO and mixtures thereof, where at least one of  $\text{Fe}_3\text{O}_4$  and  $\text{Fe}_2\text{O}_3$  is present, and where the anode may optionally contain additive.

20. (Currently Amended) The stable anode of Claim 19, wherein the iron oxide ~~comprises~~ is from zero to 100 weight percent  $\text{Fe}_3\text{O}_4$ , from zero to 100 weight percent  $\text{Fe}_2\text{O}_3$ , and from zero to 50 weight percent FeO, where at least one of the iron oxides  $\text{Fe}_3\text{O}_4$  and  $\text{Fe}_2\text{O}_3$  is present.

21. (Currently Amended) The stable anode of Claim 19, wherein the iron oxide ~~comprises~~ is  $\text{Fe}_3\text{O}_4$ .

22. (Currently Amended) The stable anode of Claim 19, wherein the iron oxide ~~comprises~~ is  $\text{Fe}_2\text{O}_3$ .

23. (Currently Amended) The stable anode of Claim 19, further ~~comprising~~ containing up to about ~~90~~ 10 weight percent of an additive selected from oxides of Al, Si, Ca, Mn, Mg, B, P, Ba, Sr, Cu, Zn, Co, Cr, Ga, Ge, Hf, In, Ir, Mo, Nb, Os, Rf, Rh, Ru, Se, Sn, Ti, V, W, Zr, Li, Ce, Y and/or F.

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24. (Currently Amended) The stable anode of Claim 19, wherein the anode ~~comprises~~ is a monolithic body, ~~comprising the iron oxide.~~

25. (Currently Amended) The stable anode of Claim 19, wherein the anode ~~comprises~~ has a surface coated with the iron oxide.

26. (Original) The stable anode of Claim 19, wherein the anode remains stable in a molten bath of the electrochemical cell at a temperature of up to 960°C.

27. (Canceled)

28. (Canceled)

29. (Canceled)